Laborator 5

Acest laborator este dedicat introducerii in Google Cloud Platform (GCP)

Documentele laboratorului le gasiti aici **Part 1** si **Part 2**

Google Cloud Console

Crearea unui proiect in GCP

Cum se leaga un Billing Account de proiect

Setarea bugetelor si alertelor la nivel de Billing Account

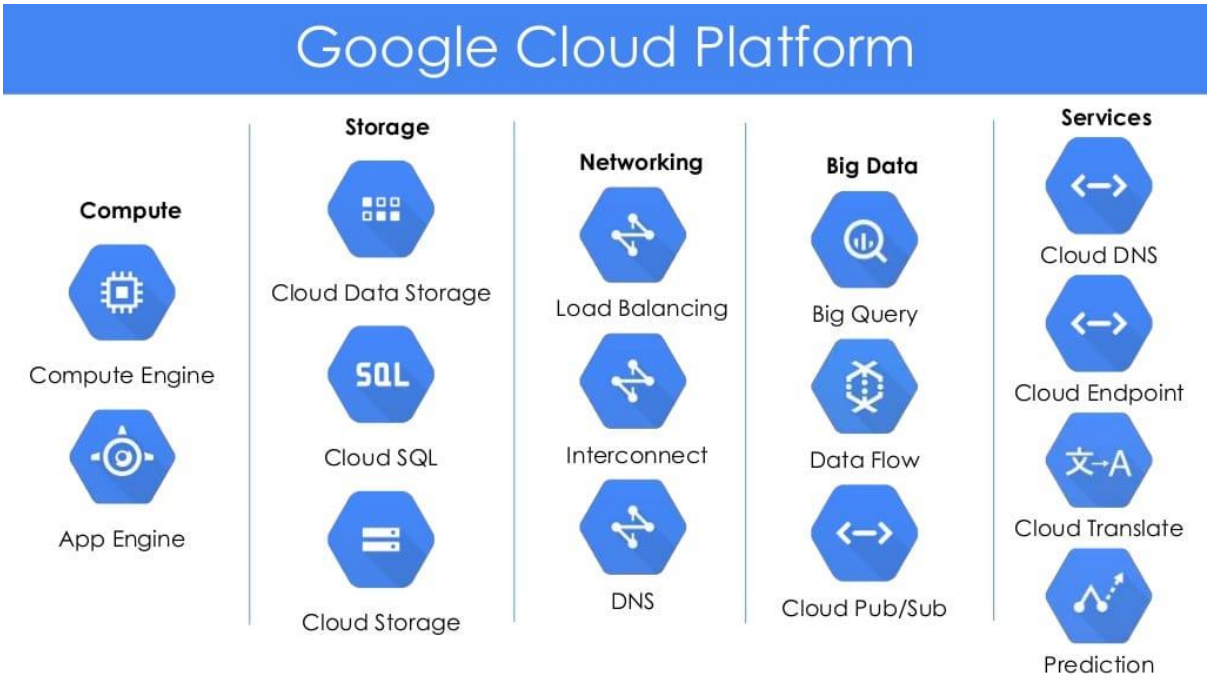
Setarea cotelor pentru a tine costul sub control

Pentru a interactiona cu resursele din GCP putem folosi fie interfata web accesibila pe link-ul de mai sus fie prin API-urile expuse de Google. Pentru varianta a doua avem nevoie sa ne setam OAuth2 atat in GCP cat si in Postman.

- Credentials -> New OAuth client ID
- OAuth consent screen - adaugati-va email-ul in sectiunea de Test Users si Scop-urile aferente

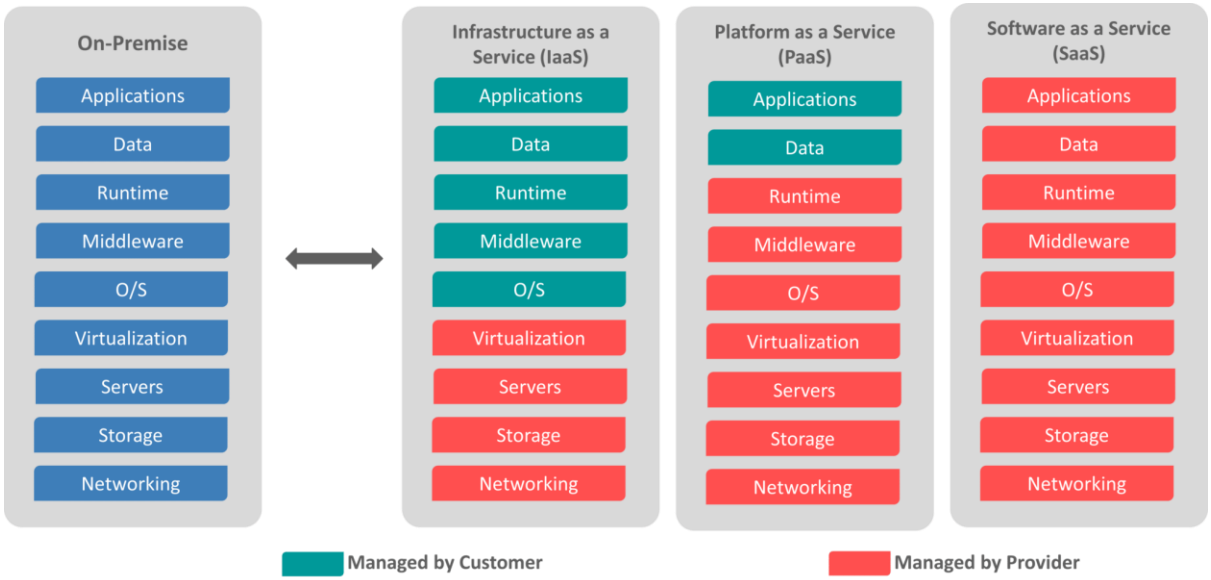
  Pentru detalii urmati **acest tutorial**

  Overview servicii Google



[Detalii despre serviciile oferite de GCP]

[Comparatie intre solutiile Serverless oferite de Google]



[Tutorial deploy aplicatie NodeJS in AppEngine standard]

[Tutorial deploy aplicatie NodeJS in AppEngine flexible]

[Tutorial Google Cloud Function]

Tema 3 cu predare in saptamana 6 (30.03.2022) - Create an application that uses the Google Cloud ecosystem.

Requirements - the application is using at least three Google Cloud services (one is stateful) and is located in appspot.com domain.

Additional Information:

- You are allowed to use frameworks for this homework;
- This homework is presented in teams of 2-4 students;
- The application made for this homework can be a part of the final project implementation (even better for you! :));
- The number of used services will be scaled according to the number of team members (2 extra cloud services/APIs for each member); ex: 5 services for 2 students, 7 services for 3 students, 9 services for 4 students;
- Only 1 out of the 3 required Google Cloud Services can be substituted by the usage of a Google Cloud API; this requirement also scales to the number of team members (1 out of 3, 2 out of 5, 3 out of 7, 4 out of 9); General observations:
- You should be able to motivate the choice to use those services instead of others for your application;
- The base code for the used services can be implemented in any programming language;

- Teams of 2-4 people will be formed during laboratory and will be kept for the following homeworks and the final project;
- The degree of complexity of the used services and APIs will also constitute a mean of evaluation in the final homework grade.